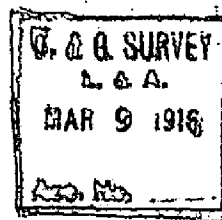


3567



2003

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *New York*
11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. *3567.*

LOCALITY:

Oyster Bay, Long Id.

191

CHIEF OF PARTY:
Stehman Forney
Ernest C. Reese

Original

DESCRIPTIVE REPORT.

to accompany

Topographic Sheet No. 3567

OYSTER BAY,

WITH SHORE TO MATINICOCK POINT.

Long Island, N. Y.

Scale-1/10000.

Instructions dated Sept. 24, 1915.

Topographers- H. H. Griffin & Ernest E. Reese.
Chiefs of Party- Stehman Forney & Ernest E. Reese.

Descriptive Report
to accompany topographic sheet No. 3567
Oyster Bay,
with Shore to Matinicock Pt.
Long Island, N. Y.
Scale- 1/10000.
Instructions dated Sept. 24, 1915.

This sheet covers the north shore of Long Island from Matinicock Point east to the entrance of Oyster Bay and all the shore line of the inner part of Oyster Bay but does not include Cold Spring Harbor. The character of the work was that of revision. The changes were so extensive that a new projection was used, all the shore line being run. Unimportant details were left out and houses and similar important objects which would be of use in navigation or hydrographic work only were located.

Control:- The control was very strong except in the upper end of Mill Neck Creek. Outside of the creek the triangulation signals were close together. In Mill Neck Creek Triangulation signal HI was visible from only a very small area at the mouth. Triangulation YEL was located incorrectly in 1914 and was available only as located by plane table. Later YEL was located by triangulation and the plane table position was found to be only three meters off. Orientation in going up the creek was obtained from PIN. On a cold windy day, when plane table work could not be done, small flags were placed on both shores of the creek and then a small triangulation scheme was carried up the creek by plane table. At the head of the creek signals to the north, as White Water Tank and Windmill, checked very well but cuts to Water Tanks Nos. 1, 2 and 3 came to the right of the respective positions on the sheet, as shown on the projection. To Water Tank No. 1 are also cuts from Cold Spring Harbor Light House by sextant and 15^m a position near Triangulation SMITH by plane table. These also come to the right ~~of~~ or north of WATER TANK No. 1. At the head of Mill Neck Creek an old wharf on the east side and a house on the west side check with corresponding objects on the old sheet so it is hardly probable that the orientation in this area is incorrect.

Land Marks:- Houses and other prominent objects which were visible from the water and useful in navigation were located but not drawn in detail as to exact shape. Objects which could be recovered for use in hydrography were located by at least three cuts or by direct measurement from near stations and are given on a separate sheet marked Plane Table Positions and attached hereto. Objects, previously and recently located, which should be put on the charts are given on a separate sheet attached hereto and headed Important Objects for Chart use. All other objects, especially houses, located by me should be put on the charts if space permits. The list consists of the most important objects but

*Sheet distorted considering
Cuts to windward & Westward
of Station. position, and Computations checked in 1915*

still the others shown on the sheet are only such as could be seen from the water and ~~would be good and~~ would be useful on the charts.

Inshore Shoals:- Two shoals in the mouth of Mill Neck Creek were located by plane table and are shown on the sheet, Information as to these shoals was transmitted to the Office by letter on March 4th. Two rocks west of the southern end of Center Island are shown and check with locations of same given on the old plane table sheet.

Unfinished Work:- On account of the party being disbanded the following work is unfinished and should be completed when work is again resumed in this locality.

The eastern part of the village of Oyster Bay (from Δ Townsend to Δ Ice Plant Chimney) should be completed, including the railroad tracks. A copy was made of a village map in the town clerks office at Oyster Bay and this is forwarded with the plane table sheet. It was thought that some streets could filled in from this map but the map is so far from being correct that it is not of any use in that respect, as noted on the copy. The water tank at the end of the oyster piers N.E. of triangulation ICE PLANT CHIMNEY is not given in my plane table positions as I left it to be checked by future work, although it is not likely to be incorrect, as there are four cuts to it. Northwest of Triangulation GLASS CUPOLA about 60 meters are two rocks, bare at low water, which have only one cut to each. These should be located. When work was done in that locality they were not bare and were not known to be in existence.

The work east from COOPERS BLUFF should go on the next sheet.

About 500 meters east of MILL NECK is a prominent south chimney on a large red house with many white windows. There is one cut to this chimney given on the sheet and it would be well to locate the chimney.

The shore line, where necessary, and important objects should be located from Oak Neck Point to where I left off near Matinicock Point.

Run the shore line on the west side of Matinicock Point.

Locate Hartness tower, Mr. Morgans house and cupola on the stable, the water tank a short distance southeast of Dosoris Pond, the highest chimney on large house on Peacock Point and the large house 400 meters southeast of OAK NECK No. (3).

Check location of WATER TANKS Nos. 1, 2 and 3 if visible from any other places.

Locate, if seen from the north, Mr. Lovett's water tank and an open wooden tower, both of which are near latitude $40^{\circ}-54'$ and longitude $73^{\circ}-35'$. I have cuts to these but the angles are very acute. If not seen from the shore to the northward, these are not important enough to bother with.

Mark triangulation station COOPER'S BLUFF with brass center mark.

Investigate the existence of wreck 330 meters W.x N. of PLUM PT. (2). Work in this area was done before I went to the party and no note was made about the wreck ^{shown} on the old sheet.

Triangulation Stations:- The following stations of those given on the sheet were found to have been lost;- Whitewood Point, Range Mark, Bartis, Allen, Plum Point '84, Oak Neck (2) and Matinicock (2).

The following stations, marked no check in List of Positions, were found to check by plane table;- Cupola on Brick Boat House, Try,

See Map. 15983

Cupola(white barn), Water Tank W of Δ Rock, Hi and Oak.

Triangulation stations Mill Neck '34 and Townsend '34 were not searched for as no descriptions of them were sent to the field and they were not near the shore, from which rod readings could have been obtained.

All stations not noted as lost or not searched for were found and checked by plane table with the exception of WATER TANKS Nos. 1, 2 and 3 as stated in the second paragraph of this report, and YEL.

Triangulation YEL was found to have been observed wrong in 1914, was reobserved in January 1916, computed and correct position plotted on the sheet, The new position is about 15 meters northwest of the old one.

Triangulation Brick Chimney on Boat House was found to have the meters of longitude computed incorrectly. This was corrected in red ink on the old ~~List of~~ ^{Geographic} Positions and forwarded to the Office.

In the upper end of Mill Neck Creek the outer grass line can be taken from the old sheet. Make the low water line in all places the same as before if not given otherwise. The low water line which I have given is very close to its true position.

Features found not to be in existence were marked out with blue ink on the bromide copy of the old topographic sheet.

Respectfully submitted,

Ernest E. Reese.

Assistant, C. and G. Survey,
Topographer and Chief of Party.

Important Objects for Chart Use

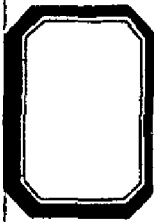
▲ Water Tank W of Coopers.
 Houses on the northwest shore of Cove Neck.
 ▲ Sag (very good).
 Boat house, # 1.
 Clay bluff, # 2 (very good).
 ▲ Cupola on Brick Boat House.
 ▲ Pres. Church Spire.
 ▲ School House Dome (very good).
 ▲ Ice Plant Chimney.
 Theater building, # 3 (very good).
 ▲ Glass Cupola, (very good).
 Boat house, # 4.
 ▲ Standpipe (very good).
 Buildings on east shore of Mill Neck.
 ▲ Water Tank W of ▲ Rock (very good).
 ▲ Uv.
 ▲ Smith (very good).
 ▲ Ite.
 ▲ Steel Mast (very good) (weather signal mast).
 East gable red roof house on Plum Point, # 5 (very good).
 ▲ Pin (very good).
 Flag pole N. of ▲ Pin, # 6.
 House N. of ▲ Pin, # 7. (very good).
 ▲ Cupola, White Barn.
 ▲ Lud (very good), (better show entire house).
 ▲ Yel.
 ▲ Hi.
 Arlington hotel, # 9.
 White boat house, # 8, (very good).
 N. chimney, Wood's house, (very good), # 10.
 Monument, # 11, (very good).
 Cupola on barn, # 12, (very good).
 ▲ Oak, (very good).
 ▲ Pierce's Water Tank, (very good).
 ▲ White Water Tank, (very good).

To accompany topographic sheet No. _____
 Oyster Bay with Shore Line to Matinicock Point.

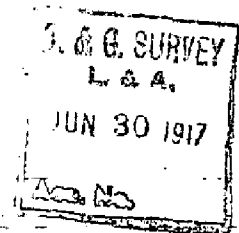
Plane Table Positions.

<u>Object and description.</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.E.</u>	<u>Height.</u> <u>about.</u>	<u>Remarks.</u>
Flag pole N. of A Pin.	40-54	1144 m.	73-31	112 m.	60 ft.	Shows well on entering bay.
East gable, red roof, house on Plum Pt.	40-54	586 m.	73-30	781 m.	50 "	On grey stone bldg., very prom. Good for hyd.
Flag pole, Townsend's.	40-52	762 m.	73-30	1300 m.	30 "	Shows well from water,
Flag pole, Oyster Bay.	40-52	786 m.	73-31	1393 m.	45 "	
Flag pole N. of Governor.	40-52	1714 m.	73-32	1032 m.	25 "	Shows well from water.
Flag pole, S.E.	40-54	628 m.	73-33	173 m.	25 "	Shows from mouth of creek.
Flag pole, N.W.	40-54	663 m.	73-33	203 m.	25 "	Not so prom. as S.E. flag pole.
Water tank, Arlington hotel.	40-54	977 m.	73-33	727 m.	50 "	Shows above hotel.
Flag pole, N. shore Mill Neck.	40-53	1802 m.	73-33	660 m.	30 "	
N. chimney, Wood's House.	40-53	1493 m.	73-33	986 m.	50 "	Shows over entire upper end of creek.
Water tank, McNair's.	40-53	646 m.	73-34	633 m.	60 "	
Monument, globe and eagle on top.	40-53	838 m.	73-34	638 m.	40 "	Square shaft 20 feet high. Shows well over upper end of creek.
Cupola on barn.	40-53	1498 m.	73-34	966 m.	40 "	Shows in passing up creek.

To accompany topographic sheet No. _____
Oyster Bay with Shore to Matinicoek Point.



3567



Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <i>New York</i>
11-5413
DESCRIPTIVE REPORT.
<i>Lep's</i> Sheet No. <i>3567</i>
LOCALITY:
191
CHIEF OF PARTY:

Descriptive Report

to accompany Topographic Sheet No. 3567,
Oyster Bay, with shore to Matinicock Point,
Long Island, New York.

Scale 1:10 000

Instructions dated August 10, 1916.

The work on this sheet is a revision of the shore line surveyed on Topographic Sheet No. 1733, bearing the same title and having substantially the same limits except that the earlier work extended around Cooper Bluff and along the eastern shore of Cove Neck to a point a little south of Eel Creek, while the work on this sheet stops at Cooper Bluff. The former survey was made in the autumn of the year 1885.

Topography

The greater part of the shore line on this sheet had been resurveyed in 1915 by Assistant E. E. Reese and the work done in 1916 consisted in closing the gaps in the survey left unfinished in the preceding season.

The new work consisted of three portions:-

About a mile of the water front of Oyster Bay and the part of that town immediately adjacent to the shore;

A small piece of creek and marsh outline at the head of Bayville Creek;

The shore of Long Island Sound from Oak Neck Point to Matinicock Point, a distance of about four miles.

The work done in 1916 has been inked; that of 1915 is left in pencil.

Triangulation

No new stations were established, an ample number of positions being furnished by the determinations of 1914 and 1915. Nearly all of the stations looked for were easily recovered.

Landmarks

There are enough prominent buildings and other objects to serve the needs of navigators. The most important of these are given in the list of "Landmarks for Charts" accompanying this report. It is probable that some of these have already been reported by Mr. Reese.

Changes

The principal changes since the former survey which were noted were in the wharves at Oyster Bay village and in the improvements which have been made at Bayville, Frost Creek, and Peacock Point by the owners of villas in the vicinity for the protection of their yachts and boats.

W. C. Hodgkins

Chief of Party

Topographic Sheet No.3567
Planetable Positions

Object and description	Latitude	D.M.	Longitude	D.P.	H't	Remarks
Chimney, Fox Point Clubhouse	40 54	870	73 35	973		
Flagstaff, Fox Point	40 54	894	73 35	955		
Beekman's flagstaff, Oyster Bay	40 52	1713	73 32	1034		
Tank on wharf, Oyster Bay	40 52	1131	73 31	760		
Cross on Episcopal Church, Oyster Bay.	40 52	630	73 31	963		